

In the claims:

Listing of claims:

Claim 1 (currently amended): A battery pack for an electronic device comprising:

at least one a battery cell assembly having a flat profile construction comprising a first end portion defining a face portion and a second end portion opposite said first end portion and defining a bottom end portion, a positive voltage reference potential contact and a negative voltage reference potential contact located on said face portion, a first major face surface and a second major face surface disposed opposite said first major face and located between said face portion and said bottom portion;

an interface assembly cap comprising an electrical circuit board assembly and located between said face portion and said bottom portion, having a size and shape for complementary engagement with ~~one end~~ said face portion of said battery cell assembly for providing an electrical connection means between said ~~at least one~~ battery cell assembly and the electronic device, said interface assembly cap further providing an electrical connection to said ~~at least one~~ battery cell whether the battery pack is positioned within or outside the electronic device; and

a resin encasing said interface assembly cap and said battery cell assembly to seal and hold the battery pack together.

Claim 2 (previously presented): The battery pack as defined in claim 1, wherein said resin further comprises a low temperature melting resin.

Claim 3 (previously presented): The battery pack as defined in claim 2, wherein said resin further comprises a polyamide.

Claim 4 (previously presented): The battery pack as defined in claim 1, further comprising a thin foil wrapped around said battery cell assembly.

Claim 5 (previously presented): The battery pack as defined in claim 4, wherein said thin foil further comprises an adhesive foil.

Claim 6 (previously presented): The battery pack as defined in claim 4, wherein said thin foil further comprises a non-metallic/non-conducting adhesive foil.

Claim 7 (currently amended): The battery pack as defined in claim 1, wherein said interface assembly cap further ~~comprising an end cap~~ comprises a holder having a size and shape for complementary engagement with an said face end portion of said battery cell assembly and for holding said electrical circuit board assembly ~~opposite said interface assembly end portion~~.

Claim 8 (currently amended): The battery pack as defined in claim 7, further comprising a low-temperature melting resin encasing said ~~end cap~~ holder and said interface assembly cap.

Claim 9 (currently amended): The battery pack as defined in claim 8, wherein said interface assembly cap further comprises electrical connection contacts for providing external access to said respective positive and negative voltage reference potentials contacts.

Claim 10 (currently amended): The battery pack as defined in claim 9, wherein said voltage reference potential electrical connection contacts are positionally located in accordance with the positional locations of the voltage reference potential contacts of the electronic device with which the battery pack is used.

Claim 11 (previously presented): The battery pack as defined in claim 10, further comprising means for aligning the battery pack when positioned within the electronic device.

Claim 12 (cancelled).

Claim 13 (previously presented): The battery pack as defined in claim 1 for use in a cellular telephone.

Claim 14 (currently amended): A method for molding a battery pack for an electronic device comprising the steps of:

providing ~~at least one~~ a battery cell assembly having a flat profile construction comprising a first end portion defining a face portion, a second end portion disposed opposite said face portion and defining a bottom end portion, a first major face surface and a second major face surface disposed opposite said first major face and located between said face end portion and said bottom end portion, and having a desired shape and size and a positive voltage reference potential contact terminal and a negative voltage reference potential contact terminal;

providing an electrically conductive means for interfacing between the battery cell assembly and the electronic device;

electrically connecting the electrically conductive means to the battery cell assembly wherein the positive voltage potential contact terminal is connected to the positive voltage supply path of the electrically conductive means and the negative voltage potential contact terminal is connected to the negative voltage supply path of the electrically conductive means;

placing the electrically conductive means and the battery cell assembly into a mold;

positioning and maintaining the electrically conductive means adjacent to and in contact with ~~one~~ the face end portion of the battery cell assembly;

closing the mold;

pouring a low temperature melting resin into the mold ~~to encase~~ thereby encasing the electrically conductive means and battery cell assembly in the resin to seal and hold the battery pack together; and

removing the thus molded battery pack from the mold.

Claim 15 (previously presented): The method as defined in claim 14, wherein the step of pouring further comprises pouring a polyamide.

Claim 16 (previously presented): The method as defined in claim 14, wherein the step of pouring further comprises pouring a polyurethane.

Claim 17 (previously presented): The method as defined in claim 14, further comprising the step of molding under low pressure.

Claim 18 (cancelled).

Claim 19 (currently amended): The method as defined in claim 14, wherein the step of providing an electrically conductive means further comprises providing ~~a printed~~ an electrical circuit board assembly.

Claim 20 (previously presented): The method as defined in claim 14, wherein the step of providing an electrically conductive means further comprises providing a gold-plated nickel conductor.

Claim 21 (previously presented): The method as defined in claim 14, wherein the step of placing into a mold further comprises placing into a metal mold.

Claim 22 (currently amended): A battery pack for a cellular telephone comprising:
at least one a battery cell assembly having a flat profile construction comprising a first end portion defining a face portion, a second end portion disposed opposite said face portion and defining a bottom end portion, a first major face surface and a second major face surface disposed opposite said first major face and located between said face end portion and said bottom end portion, and having a desired shape and size and a positive voltage reference potential contact terminal and a negative voltage reference potential contact terminal;

~~means~~ an interface assembly cap comprising an electrical circuit board assembly defining an electrical conductive path between the battery cell assembly and the cellular telephone for interfacing the battery cell assembly and the cellular telephone, wherein the electrical conductive path ~~means~~ has a positive voltage potential contact electrically connected to the battery cell assembly positive voltage reference potential contact terminal and a negative voltage reference potential contact electrically connected to the battery cell assembly negative voltage reference potential contact terminal, said positive and negative voltage potential contacts located and positioned for contact with the positive and negative voltage reference potential contact terminals of a cellular telephone with which the battery pack is used; and

a resin encasing said interface assembly cap and said battery cell assembly ~~and said electrical conductive path~~ ~~means~~ to form a relatively thin wall molded battery pack.

Claim 23 (previously presented): A battery pack as defined in claim 22, wherein said resin further comprises a low temperature melting resin.

Claim 24 (previously presented): The battery pack as defined in claim 23, wherein said resin comprises a polyamide.

Claim 25 (previously presented): The battery pack as defined in claim 23, wherein said resin comprises a polyurethane.

Claim 26 (currently amended): The battery pack as defined in claim 22, wherein said electrical ~~path~~-conductive ~~means~~ path further comprises charging control circuitry.

Claim 27 (currently amended): The battery pack as defined in claim 22, wherein said electrical ~~path~~-conductive ~~means~~ path further comprises battery cell voltage and current monitoring and status indication circuitry.

Claim 28 (currently amended): The battery pack as defined in claim 22, wherein said electrical ~~path-conductive means~~ path further comprise interfacing connection means between the battery cell assembly and charging control circuitry in the cellular telephone.

Claim 29 (currently amended): The battery pack as defined in claim 22, wherein said electrical ~~path-conductive means~~ path further comprises interfacing connection means between the battery cell assembly and battery cell monitoring and status indication circuitry in the cellular telephone.